

AMENDMENTS TO THE CLAIMS

Please amend claims 8, 14, 21, 27 and 40, as set forth in the listing of claims that follows:

1. (Previously Presented) A method to display a route comprising a sequence of route segments to be traveled by a vehicle, the method comprising:

providing a graphic user interface (GUI) having a display screen adapted to render an output of the GUI;

determining a plurality of route segments for the route;

determining a plurality of GUI screens for the route segments such that each route segment is represented in a distinct GUI screen;

determining a position of the vehicle;

identifying a route segment based upon the position of the vehicle;

rendering, on said display screen, a GUI screen corresponding to the identified route segment;

receiving a user input via an input device; and

based upon said user input, rendering a GUI screen corresponding to a previous route segment or a subsequent route segment that does not include the position of said vehicle.

2. (Previously Presented) The method of claim 1, further comprising identifying a subsequent route segment in response to movement of the vehicle and rendering a GUI screens of said subsequent route segment.

3. (Previously Presented) The method of claim 1, wherein the GUI screen corresponding to the identified route segment comprises:

a display area having a top edge; and

a graphic representation of the vehicle rendered within the display area.

4. (Original) The method of claim 3, wherein the graphic representation of the vehicle is substantially centered relative to the display area.

5. (Original) The method of claim 3, wherein the top edge of the display area is associated with one of a north cardinal direction and a forward direction of travel.

6. (Previously Presented) The method of claim 1, wherein rendering a GUI screen corresponding to the previous route segment or the subsequent route segment comprises rendering at least one of an immediately previous route segment and an immediately subsequent route segment using the GUI.

7. (Previously Presented) The method of claim 1, wherein the input device comprises at least one of a keypad, a knob, and an audio input device.

8. (Currently Amended) A method to display a route comprising a sequence of route segments to be traveled by a vehicle, the method comprising:

providing a display screen adapted to display an output of a graphic user interface (GUI), said output corresponding to a GUI screen;

determining a plurality of GUI screens, each said GUI screen corresponding to a distinct route segment;

displaying a first GUI screen comprising a graphic representation of the vehicle and a route segment on which the vehicle is located;

receiving a user input; and

in response to said user input, displaying a second GUI screen comprising a graphic representation of one of a previous route segment and a subsequent route segment, wherein the second GUI screen does not include the route segment on which the vehicle is located.

9. (Original) The method of claim 8, further comprising updating the displayed route segment in response to movement of the vehicle.

10. (Previously Presented) The method of claim 8, wherein the GUI screen comprises a display area having a top edge.

11. (Original) The method of claim 10, wherein the graphic representation of the vehicle is substantially centered relative to the display area.

12. (Original) The method of claim 10, wherein the top edge of the display area is associated with one of a north cardinal direction and a forward direction of travel.

13. (Previously Presented) The method of claim 8, wherein the input device comprises at least one of a keypad, a knob, and an audio input device.

14. (Currently amended) A navigation system for use in a vehicle, the navigation system comprising:

- a display screen;
- a global positioning system (GPS) receiver configured to determine a position of the vehicle;
- a data retrieval device configured to retrieve navigation data from a data storage medium, the navigation data representing a sequence of route segments; and
- a processor-based subsystem operatively coupled to the GPS receiver, the data retrieval device, and the display device, said processor-based subsystem comprising a graphic user interface (GUI) for outputting a GUI screen to said display screen, said output corresponding to a GUI screen; said processor-based subsystem ~~and~~ configured to
 - determine a position of the vehicle;
 - identify a route segment on which the vehicle is located as a function of the position of the vehicle;
 - render a first GUI screen comprising the identified route segment;
 - determine a second GUI screen that comprises a previous route segment or a subsequent route segment that does not include the identified route segment;
 - receive a user input via an input device; and
 - render a the second GUI screen ~~comprising a previous route segment or a subsequent route segment~~ in response to the user input.

15. (Previously Presented) The navigation system of claim 14, wherein the processor-based subsystem is further configured to render a different GUI screen comprising a different one of the route segments in response to movement of the vehicle.

16. (Previously Presented) The navigation system of claim 14, wherein the first GUI screen comprises:

a display area having a top edge; and

a graphic representation of the vehicle rendered within the display area.

17. (Original) The navigation system of claim 16, wherein the graphic representation of the vehicle is substantially centered relative to the display area.

18. (Original) The navigation system of claim 16, wherein the top edge of the display area is associated with one of a north cardinal direction and a forward direction of travel.

19. (Previously Presented) The navigation system of claim 14, wherein rendering the second GUI screen in response to the user input comprises providing a graphic representation of at least one of an immediately previous route segment and an immediately subsequent route segment.

20. (Previously Presented) The navigation system of claim 14, wherein the input device comprises at least one of a keypad, a knob, and an audio input device.

21. (Currently Amended) A navigation system for use in a vehicle, the navigation system comprising:

a display device;

an input device;

a global positioning system (GPS) receiver configured to determine a position of the vehicle;

a data retrieval device configured to retrieve navigation data from a data storage medium, the navigation data representing a sequence of route segments; and

a processor-based subsystem operatively coupled to the GPS receiver, the data retrieval device, the display device, and the input device, said processor-based subsystem comprising a graphic user interface (GUI) for outputting a GUI screen to said display screen; said processor-based subsystem configured to

determine a plurality of route segments for a route and a plurality of GUI screens such that each route segment is represented in a GUI screen;

display a first GUI screen comprising a graphic representation of the vehicle and a route segment on which the vehicle is located;

receive a user input using the input device; and

display a second GUI screen in response to the user input, said second GUI screen comprising one of a previous route segment and a subsequent route segment that does not include the location of the vehicle ~~in response to the user input.~~

22. (Previously Presented) The navigation system of claim 21, wherein the processor-based subsystem is further configured to display an updated route segment in response to movement of the vehicle.

23. (Previously Presented) The navigation system of claim 21, wherein the GUI screen comprises a display area having a top edge.

24. (Original) The navigation system of claim 23, wherein the graphic representation of the vehicle is substantially centered relative to the display area.

25. (Original) The navigation system of claim 21, wherein the top edge of the display area is associated with one of a north cardinal direction and a forward direction of travel.

26. (Original) The navigation system of claim 21, wherein the input device comprises at least one of a keypad, a knob, and an audio input device.

27. (Currently Amended) A processor-readable medium containing processor-executable instructions that, when executed by a processor-based system in a vehicle, cause the processor-based system to:

determine a position of the vehicle;

retrieve route information representing a route comprising a sequence of route segments;

determine a plurality of display screens renderable by a graphic user interface (GUI), each display screen corresponding to a graphic representation of a route segment,

identify a route segment on which the vehicle is located as a function of the position of the vehicle;

render a first graphic representation of the identified route segment using a said graphic user interface (GUI);

receive a user input via an input device; and

render a second graphic representation of a previous route segment or a subsequent route segment that does not include the identified route segment, said second graphic representation being rendered using the GUI in response to the user input.

28. (Original) The processor-readable medium of claim 27, wherein the processor-executable instructions, when executed by the processor-based system, further cause the processor-based system to render a different one of the route segments using the GUI in response to movement of the vehicle.

29. (Original) The processor-readable medium of claim 27, wherein the GUI comprises:

a display area having a top edge; and

a graphic representation of the vehicle rendered within the display area.

30. (Original) The processor-readable medium of claim 29, wherein the graphic representation of the vehicle is substantially centered relative to the display area.

31. (Original) The processor-readable medium of claim 29, wherein the top edge of the display area is associated with one of a north cardinal direction and a forward direction of travel.

32-38. (Cancelled)

39. (Previously Presented) The processor-readable medium of claim 28, wherein the processor-executable instructions, when executed by the processor-based system, further cause the processor-based system to render one of a previous route segment and a subsequent route segment using the GUI.

40. (Currently Amended) A processor-readable medium containing processor-executable instructions that, when executed by a processor-based system in a vehicle, cause the processor-based system to:

retrieve route information representing a route comprising a sequence of route segments;

display a first graphic representation of the vehicle and a route segment on which the vehicle is located using a graphic user interface (GUI);

determine a second graphic representation of a previous route segment of a subsequent route segment that does not include the route segment on which the vehicle is located;

receive a user input via an input device; and

display a the second graphic representation of ~~a previous route segment or a subsequent route segment~~ using the GUI in response to the user input.

41. (Previously Presented) The processor-readable medium of claim 40, wherein the processor-executable instructions, when executed by the processor-based system, further cause the processor-based system to display an updated route segment in response to movement of the vehicle.

42. (Currently Amended) The processor-readable medium of claim 40, wherein ~~the~~ the graphic representation of the route segment comprises a display area having a top edge.

43. (Previously Presented) The processor-readable medium of claim 42, wherein the graphic representation of the vehicle is substantially centered relative to the display area.

44. (Previously Presented) The processor-readable medium of claim 40, wherein the top edge of the display area is associated with one of a north cardinal direction and a forward direction of travel.